7PAM2002 Data Science Project Module
Choosing a Project Form
Semester B 2024/2025

This form will be used by your supervisor to agree your project topic and dataset. Complete as much of the form as possible then submit the form into 'Assignments' on the Project Module Canvas site.

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Course: 1 year
Semester intake to the course: B

SECTION A	
What is your proposed project title or topic?	**Intent Recognition Chatbot with Sentiment Analysis**
What is the Research Question for your project?	How can we design and implement an intelligent chatbot that accurately recognizes user intent and responds appropriately, while also incorporating sentiment analysis to enhance user experience?
Dataset website address (or organisation and person the dataset is from).	The ATIS (Airline Travel Information System) dataset is widely used for natural language processing tasks, particularly in the context of intent classification and slot filling. The dataset was originally collected by researchers at the University of Pennsylvania and is available through various sources. A common website where you can find the ATIS dataset is: • **University of Pennsylvania:** ATIS Dataset
Where was the data originally collected? (who, when ,where)	The ATIS dataset was created in the early 1990s by researchers at the University of Pennsylvania to study natural language processing in airline travel inquiries. It has since become a standard benchmark for evaluating intent recognition and slot filling models.
What type of data are you using? (e.g. image/ tabular/category/continuous etc)	The ATIS dataset primarily consists of text data, specifically natural language queries related to airline travel, which can be categorized as categorical data for intent recognition and slot filling tasks.
SECTION B	
Can you attend all 6 supervision sessions on-campus? If not state reason.	No, As I am going back to my home country from 11 Feb to 28 Feb.
What was the subject of your BSc degree and any other Master's degrees you have taken?	I have done my Bachelor's in Computer Science

What are your career aims and/or the industry sector you would like to get into?	Develop intelligent systems, including chatbots, virtual assistants, and recommendation engines.
A brief account of your programming/data science experience (including work or placement).	I was a MERN Stack developer and got basic knowledge of Python as well and good experience of SQL as well.
Any work experience (including non-computing related).	I worked as a web developer for two years
Do you have any hobbies, activities or interests.	I like to play cricket, badminton and I also like to do sketching.